

**Beaumont Fire-Rescue Services**

**PERFORMANCE BENCHMARKS**

**402.02G**

**Service and Maintenance of Portable Power Plants & Lighting**

**Discipline:** FF Safety  
**Effective:** 1/1/2010  
**Revised:** 7/5/2010  
**Replaces:** Firefighter Benchmark #48

*Anne Huff, Fire Chief*

**I. Objective**

The firefighter shall demonstrate and verbalize the appropriate service and maintenance of portable power plants and lighting equipment

**II. Instructions – Procedures for Achieving the Objective**

Given a power plant, electrical cords, and lighting equipment, you will demonstrate and verbalize when the proper procedures are necessary for servicing and maintaining a power plant and lighting equipment. You will begin on my instruction to start. The skill will end when you state to me that you have completed all of the identified steps. Do you understand these instructions?

**III. Examiner's Note**

The examiner shall stop the firefighter if any safety hazard exists. The firefighter will not be allowed to review the performance steps at the time of testing.

**IV. Preparation & Equipment**

- A. Power plant
- B. Electrical cords
- C. Lighting equipment
- D. Gloves
- E. Cloth

**V. Reference Sources**

- A. TCFP, Performance Standards, Section 161-6.01
- B. NFPA, 1001 4-5.2
- C. IFSTA, Essentials of Fire Fighting, 4<sup>th</sup> Edition, pages 188

**402.02G - Service and Maintenance of Portable Power Plants & Lighting Equipment**  
**Discipline: FF Safety**

Name:	Officer #:
Evaluator:	Officer #:
Date:	Location:

**If the firefighter:**

**(No partial points given)**

- a) Verbally states that power plants should be run at least once a week for twenty (20) minutes ..... 1.0 \_\_\_\_\_
- b) Checks fluid level(s) on the power plant (i.e., gas, oil, etc.)..... 2.0 \_\_\_\_\_
- c) Verbally states that the spark plug, spark plug wire, and carburetor would be checked ..... 1.0 \_\_\_\_\_
- d) Verbally states that a spare spark plug would be readily available ..... 1.0 \_\_\_\_\_
- e) Properly starts the power plant..... 1.0 \_\_\_\_\_
- f) Inspects all electrical cords for damage or worn insulation..... 1.0 \_\_\_\_\_
- g) Inspects all electrical devices, junction boxes, and lights for damage..... 1.0 \_\_\_\_\_
- h) Verbally states that gloves shall be worn when changing quartz bulbs ..... 2.0 \_\_\_\_\_
- i) Verbally states that all electrical devices would be tested while power plant is operating ..... 3.0 \_\_\_\_\_
- j) Verbally states that the engine should cool before refueling ..... 2.0 \_\_\_\_\_
- k) Verbally states that fuel should be changed approximately every three weeks ..... 1.0 \_\_\_\_\_

Points Possible	Passing Score	Attempt	Performance Rating (Points)	PASS	FAIL
16	12	First			
		Second			
		Third			